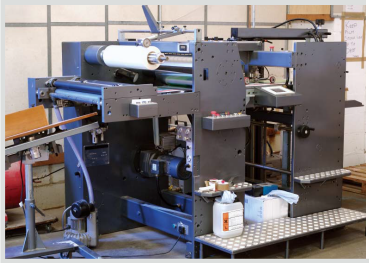
Available in a wide variety of models to suit a multitude of environmental and weather conditions.

AUTOMATIC TIME SWITCH

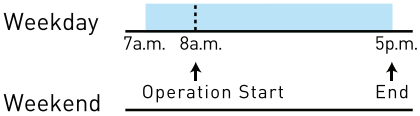
A full range of products, from economical types to outdoor weatherproof types with power failure back-up. Find out which use of our products can suit your needs best.

Activation of Plant Facility

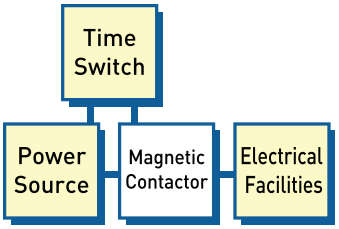


Panasonic Time Switch can be used to effectively activate machinery before operation running.

Application Example



System Layout



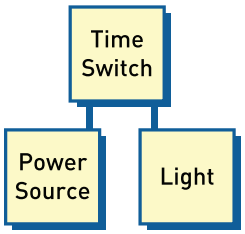
Outdoor Lighting

Your outdoor lighting system can be easily set from sunset to sunrise with the help of our advanced product line-up. Highly efficient when multiple outdoor lights need to be switched on simultaneously.

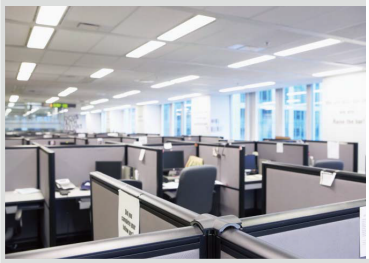
Application Example

Ex.) Street lights are set off to be On from 5p.m. to 11p.m.

System Layout



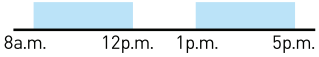
Office Lighting



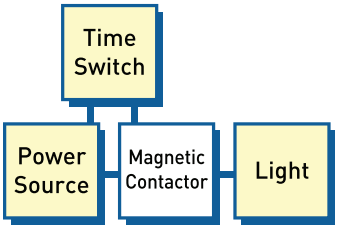
Allowing smoother control of the entire buildings lighting system based on office hours.

Application Example

Ex.) According to the office hours, the lights are turned On and Off.



System Layout



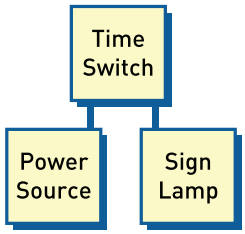
Sign Lighting

You can Efficiently control the advertising signs On / Off with the use of Panasonic Time Switch's latest technology.

Application Example

Ex.) Lighting is on at 5p.m. and off at 5a.m.

System Layout

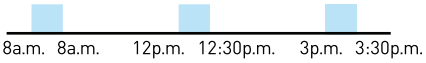


Pool Pump (Water Purificator)

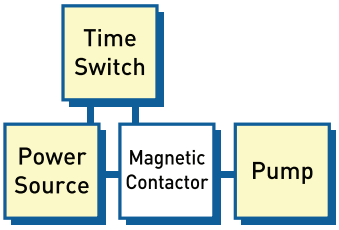
Panasonic highly advanced devices can control water purification systems for residential as well as public water infrastructure.

Application Example

Ex.) Purification process done three times a day.



System Layout

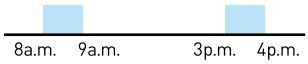


Feeders

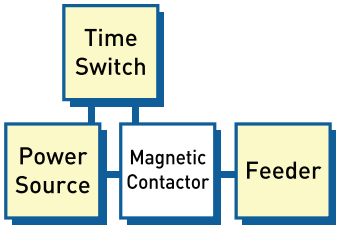
Time Switch automatically schedules food and water supply at the designated time.

Application Example

Ex.) Feeding process done twice a day.



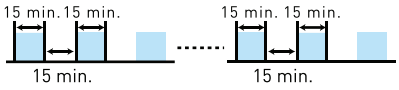
System Layout



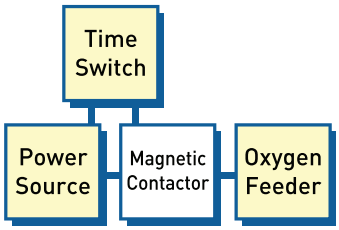
Oxygen Supply

Panasonic Time Switch's advanced technology can also be used for oxygen supply devices. Especially inside fish farms, where regular interval set ups are highly required.

Application Example



System Layout

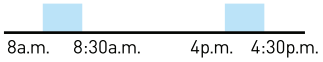


Sprinklers

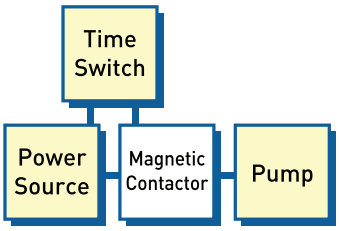
Panasonic latest product line-up provides efficient support for water supply systems such as crops and land maintenance.

Application Example

Ex.) Water supply done twice a day.



System Layout



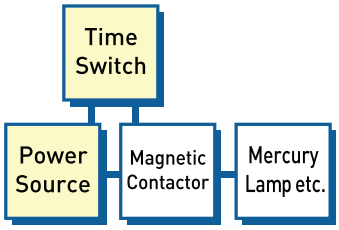
Switch Board / Control Panel

Panasonic Time Switch can be also used inside control panels as load controller.
*DIN72 module and DIN rail mounting models.

Application Example

Various time set up possible based on requirements.

System Layout



Use and Advantages of Panasonic Time Switch

Possible

- to control automatically On / Off various electrical equipments.
- to switch off unused lights and unnecessary operations, which can be effective for energy saving.
- to improve the efficiency of different programs.

Social Environment

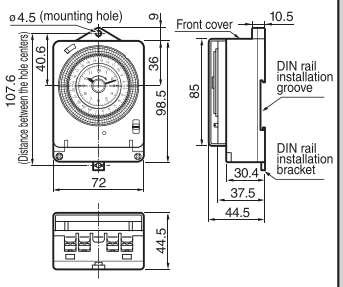
Reduction of greenhouse gases(Carbon dioxide) discharged and energy saving have become more important as preventive measures against global warming in recent years.

- Setting a numerical target for the reduction of greenhouse gases.
- Crude oil price rising.
- Usage and development of alternative energies such as oil energy.

TB35K, 36K, 38K, 39K

Features (TB35K, 36K, 38K, 39K)
- 24hour program
- Surface and DIN rail mount
- 500 hours reserve battery (TB38K,39K)
  *Battery exchange from the front side.
- 96 operations per day
- Minimum setting interval is 15 minutes
- Easy to read and set, clock display.

Dimensions (unit: mm)

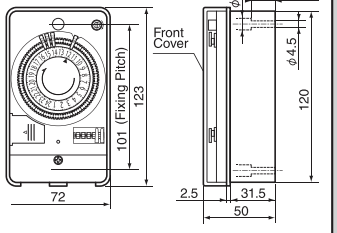


Applicable Installation		Indoor Use			
Type		Daily			
Series		TB35K series	TB36K series	TB38K series	TB39K series
Item No.		TB35809KE5 (220-240V AC 50Hz) TB35809KE6 (220-240V AC 60Hz)	TB36809KE5 (220-240V AC 50Hz) TB36809KE6 (220-240V AC 60Hz)	TB38809KE7 (220-240V AC 50-60Hz)	TB39809KE7 (220-240V AC 50-60Hz)
Drive Method		AC Motor		Quartz Motor	
Power Failure Backup Time		———		500 hours	
Time Precision		Same as AC frequency		±15 sec/month(at 25˚C)	
Circuit Configuration		Same circuit	Separate circuit	Same circuit	Separate circuit
Switch Constraction		Single pole, single through (1a Contact)	Single pole,double through (1c Contact)	Single pole, single through (1a Contact)	Single pole,double through (1c Contact)
Load Capacity	Resistive Load	250V AC 20A			
	Incandescent Lamp Load	250V AC 10A			
	Inductive Load(cosø≧0.7)	250V AC 12A			
	Motor Load(cosø≧0.7)	220V AC 1500W			
Minimum Setting Interval		15 minutes			
No.of On/Off Operation		96 operations			

TB11K, TB17K

Features (TB11K,17K)
- 24hour program
- On/Off operations are set with separated pins
- With a manual On/Off switch
- 300 hours reserve battery(TB11K)
  *Battery exchange from the front side.

Dimensions (unit: mm)

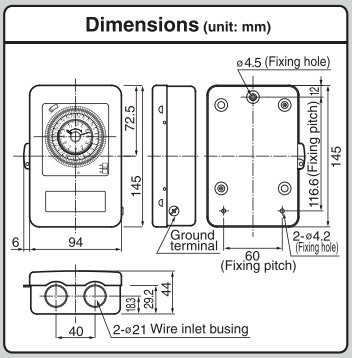


Applicable Installation		Indoor Use	
Type		Daily	
Series		TB17K series	TB11K series
Item No.		TB178KE5(220-240V AC 50Hz) TB178KE6(220-240V AC 60Hz)	TB118KE7 (220-240V AC 50-60Hz)
Drive Method		AC Motor	Quartz Motor
Power Failure Backup Time		———	300 hours
Time Precision		Same as AC frequency	±15 sec/month(at 25˚C)
Circuit Configuration		Same circuit	
Switch Constraction		Single pole, single through (1a Contact)	
Load Capacity	Resistive Load	250V AC 15A	
	Incandescent Lamp Load	250V AC 15A	
	Inductive Load(cosø≧0.7)	250V AC 12A	
	Motor Load(cosø≧0.7)	220V AC 1500W	
Minimum Setting Interval		30 minutes	
No.of On/Off Operation		Standard 6 operations (Max 48 operations)	

TB35K, TB38K

Features (TB35K, TB38K)
- With robust steel box
- 24hour program
- Surface mount
- 500 hours reserve battery(TB38K)
  *Battery exchange from the front side.
- 96 operations per day
- Minimum setting interval is 15 minutes
- Easy to read and set, clock display.

Dimensions (unit: mm)



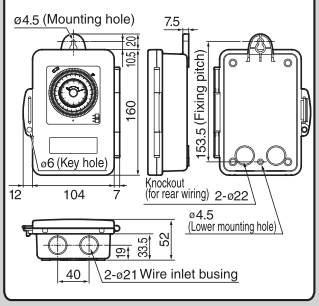
Applicable Installation		Indoor Use	
Type		Daily	
Series		TB35K series	TB38K series
Item No.		TB358KE5(220-240V AC 50Hz) TB358KE6(220-240V AC 60Hz)	TB388KE7 (220-240V AC 50-60Hz)
Drive Method		AC Motor	Quartz Motor
Power Failure Backup Time		———	500 hours
Time Precision		Same as AC frequency	±15 sec/month(at 25˚C)
Circuit Configuration		Same circuit	
Switch Constraction		Single pole, single through (1a Contact)	
Load Capacity	Resistive Load	250V AC 20A	
	Incandescent Lamp Load	250V AC 10A	
	Inductive Load(cosø≧0.7)	250V AC 12A	
	Motor Load(cosø≧0.7)	220V AC 1500W	
Minimum Setting Interval		15 minutes	
No.of On/Off Operation		96 operations	

TB40K, TB43K

Features (TB40K, 43K)

- 24hour program
- Surface mount
- Weatherproof type (IP53)
- 500 hours reserve battery (TB43K)
  *Battery exchange from the front side.
- Easy to read and set, clock display.

Dimensions (unit: mm)



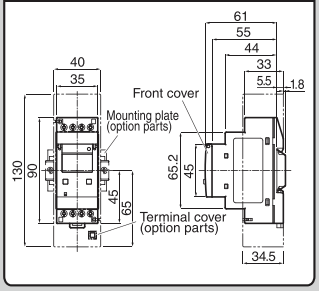
Applicable Installation		Outdoor & Indoor Use	
Type		Daily	
Series		TB40K series	TB43K series
Item No.		TB408KE5(220-240V AC 50Hz) TB408KE6(220-240V AC 60Hz)	TB438KE7 (220-240V AC 50-60Hz)
Drive Method		AC Motor	Quartz Motor
Power Failure Backup Time		———	500 hours
Time Precision		Same as AC frequency	±15 sec/month(at 25˚C)
Circuit Configuration		Separate circuit	
Switch Constraction		Single pole, single through (1a Contact)	
Load Capacity	Resistive Load	250V AC 20A	
	Incandescent Lamp Load	250V AC 10A	
	Inductive Load(cosφ≧0.7)	250V AC 12A	
	Motor Load(cosφ≧0.7)	220V AC 1500W	
Minimum Setting Interval		15 minutes	
No.of On/Off Operation		96 operations	

TB62 DIN

Features (TB62)

- Digital type
- Weekly type
- 6 years reserve battery
- With a manual On / Off button
- Possible to lock the manual button
- Holiday setting function
- Manual ±1 hour changeover function
- DIN 2P module

Dimensions (unit: mm)



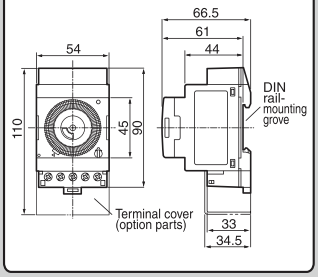
Applicable Installation		Indoor Use	
Type		Weekly	
Series		TB62 series	
Item No.		TB621018A7(1circuit) (220-240V AC 50-60Hz)	TB622018A7(2circuits) (220-240V AC 50-60Hz)
Drive Method		Electronic	
Power Failure Backup Time		6 years	
Time Precision		±15 sec/month(at 25°C)	
Circuit Configuration		Separate circuit	
Switch Constraction		Single pole,double through (1c Contact)	
Load Capacity	Resistive Load	250V AC 16A	
	Inductive Load(cosφ≧0.6)	250V AC 8A	
Minimum Setting Interval		1 minute	
No.of On/Off Operation		50 operations (On/Off 25 sets)/circuit	

TB556, 563 DIN

Features (TB556, 563)

- Weekly program (TB563)
- 24hour program (TB556)
- 300 hours reserve battery (TB556,563)
- With robust metal setting pins
- DIN 3P module

Dimensions (unit: mm)



Applicable Installation		Indoor Use	
Type		Daily	Weekly
Series		TB556 series	TB563 series
Item No.		TB5560187N (220-240V AC 50-60Hz)	TB5630187N (220-240V AC 50-60Hz)
Drive Method		Quartz motor	Quartz motor
Power Failure Backup Time		300 hours(at 25˚C)	300 hours(at 25˚C)
Time Precision		±15 sec/month(at 25˚C)	±15 sec/month(at 25˚C)
Circuit Configuration		Separate circuit	Separate circuit
Switch Constraction		Single pole,double through (1c Contact)	Single pole,double through (1c Contact)
Load Capacity	Resistive Load	250V AC 16A	250V AC 16A
	Inductive Load(cosφ≧0.6)	250V AC 3A	250V AC 3A
Minimum Setting Interval		15 minutes	2 hours (※1)
No.of On/Off Operation		96 operations	84 operations

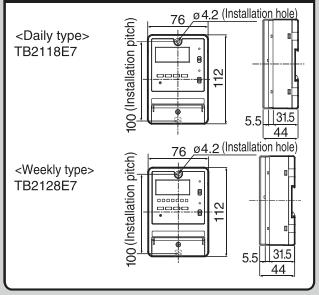
※1. Operating Time Accuracy is ±30 minutes.

TB21

Features (TB21)

- Easy setting with a mode change switch
- High capacity
  Resistive load : 30A, Inductive load (cosφ=0.6):12A
- 24hours program(TB2118) / Weekly program(TB2128)
- Surface and reserve battery
- 5 years reserve battery

Dimensions (unit: mm)



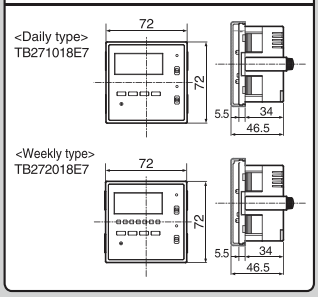
Applicable Installation		Indoor Use	
Type		Daily	Weekly
Series		TB21 series	
Item No.		TB2118E7 (220VAC 50-60Hz)	TB2128E7 (220VAC 50-60Hz)
Drive Method		Electronic	
Power Failure Backup Time		5 years	
Time Precision		±15 sec/month (at 25˚C)	
Circuit Configuration		Same circuit (voltage contact output)	
Switch Constraction		Single pole, single through (1a Contact)	
Load Capacity	Resistive Load(cosφ=1)	240V AC 30A	
	Inductive Load(cosφ=0.6)	240V AC 12A	
Minimum Setting Interval		1 minute	
No.of On/Off Operation		4 operations(On/Off 2sets)	16 operations(On/Off 8sets)

TB27

Features (TB27)

- Easy setting with a mode change switch
- 24hours program(TB271018) / Weekly program(TB272018)
- DIN 72 panel mounting
- 5 years reserve battery

Dimensions (unit: mm)



Applicable Installation		Indoor Use	
Type		Daily	Weekly
Series		TB27 series	
Item No.		TB271018E7 (220VAC 50-60Hz)	TB272018E7 (220VAC 50-60Hz)
Drive Method		Electronic	
Power Failure Backup Time		5 years	
Time Precision		±15 sec/month (at 25˚C)	
Circuit Configuration		Separate circuit (no voltage contact output)	
Switch Constraction		Single pole,double through (1c Contact)	
Load Capacity	Resistive Load(cosφ=1)	240V AC 16A	
	Inductive Load(cosφ=0.6)	240V AC 9A	
Minimum Setting Interval		1 minute	
No.of On/Off Operation		4 operations(On/Off 2sets)	16 operations(On/Off 8sets)